

FIG. 1

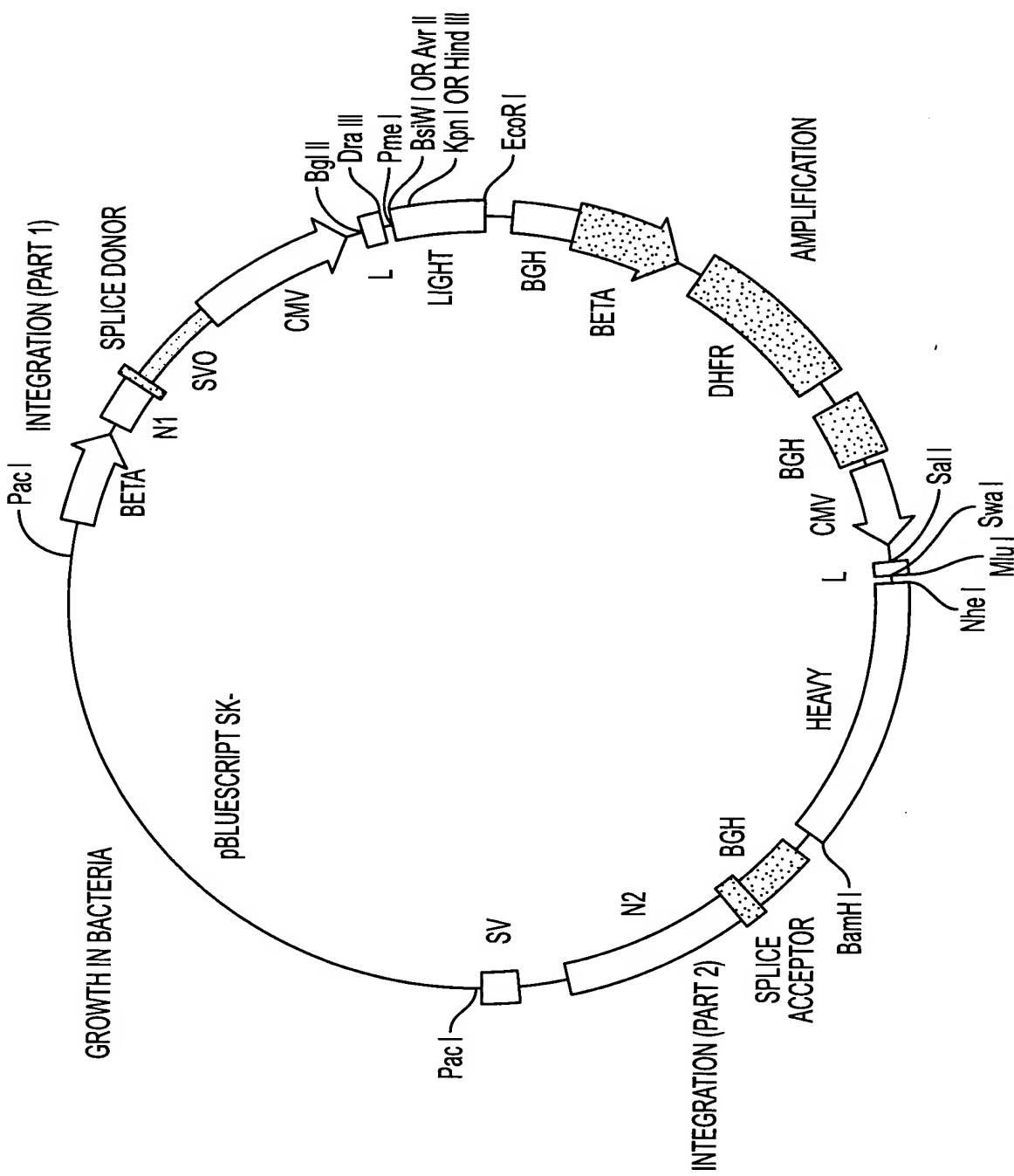


FIG. 2

Frame 1 M R V P A Q L CTC L CTG G L CTC L CTG L CTC W L CTC P CCA G GGT A GCA R CGA
 ATG AGG GTC CCC GCT CAG 9 18 27 36 45 54

C A Y E L T Q P S V S V S P G Q T A R G I
 TGT GCC TAT GAA CTG ACT CAG 63 72 81 90 99 108 117

T C G G D N S R N E Y V H W Y Q K P A R C G G
 ACC TGT GGG GGA GAC AAC AGT 126 135 144 153 162 171 180

A P I L V I Y D D S R P G I P E R F S
 GCC CCT ATA CTG GTC ATC TAT GAT 189 198 207 216 225 234 243

G S K S G N T A T C T G I N G V E A G G D E A
 GGC TCC AAA TCA GGG AAC ACC 252 261 270 279 288 297 306

D Y Y C Q V W D R A S D H P V F G G G A T R C G G
 GAC TAT TAC TGT CAG GTG TGG GAC 315 324 333 342 351 360 369

V T V L G Q P K A P S V T L F P S T C S E G A G
 GTG ACC GTC CTA GGT CAG CCC 378 387 396 405 414 423 432

E L Q A N K A T L V C L I S D F Y P G A V G G
 GAG CTT CAA GCC AAC AAG GCC 441 450 459 468 477 486 495

T V A W K A D S P V K A G G V E T T A C T P S
 ACA GTG GCC TGG AAG GCA GAT 504 513 522 531 540 549 558

K Q S N K Y A G S Y L S P E Q W K
 AAA CAA AGC AAC AAC AAG TAC 567 576 585 594 603 612 621

S H R S Y S C Q V T H E G S T V E K T V
 TCC CAC AGA AGC TAC AGC TGC CAG 630 639 648 657 666 675 684

P T E C S
 CCT ACA GAA TGT TCA TGA
 693 702

FIG. 3A

Frame 1 M K H L W F F L L V A A P R W V L S
 ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT CCC AGA TGG GTC CTG TCC
 9 18 27 36 45 54

Q V K L Q W G E G L L Q P S E T L S R T
 CAG GTG AAG CTG CAG TGG GGC GAA GGA CTT CTG CAG CCT TCG GAG ACC CTG TCC CGC T
 63 72 81 90 99 108 117

C V V S G G S I S G Y Y W T W I R Q T P
 TGC GTT GTC TCT GGT GGC TCC ATC AGC GGT TAC Y TAC TAC TGG ACC TGG ATC CGC Q AGC T
 126 135 144 153 162 171 180

G R G L E W I G H I Y G N G T W Y N P
 GGG AGG GGA CTG GAG TGG ATT GGC CAT ATT TAT GGT AAT GGT GCG ACC T ACC AAC Y TAC
 189 198 207 216 225 234 243

S L K S R V T I S K D T S K N Q F F L N L
 TCC CTC AAG AGT CGA GTC ACC ATT TCA AAA GAC ACG TCC AAG AAC CAG TTC TTC CTG AAC TTG
 252 261 270 279 288 297 306

N S V T D A G G D T A V Y C A G R G P R P D C
 AAT TCT GTG ACC GAC GCG D GAC T ACG GCC V GTC TAT TAC TGT A GCG R AGA G GGC P CCT CGC
 315 324 333 342 351 360 369

T T I C Y G G D V D V W G G P G D L V T V S
 ACA ACC ATT TGT TAT GGC GGC W TGG GTC GAT GTC GAT V TGG G GCG P GGA D GAC CTG GTC ACC
 378 387 396 405 414 423 432

S A S T K G P S V F P L A P S S K S T S G G
 TCA GCT AGC ACC AAG GGC CCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC T ACC S TCT
 441 450 459 468 477 486 495

G T A A L G C L V K D Y F P E P V T V S W
 GGC ACA GCG GCC CTG GGC C TGT GTC AAG GAC TAC TTC CCC GAA CCG V GTG TAC GTG
 504 513 522 531 540 549 558

N S G A L T S G V H T F P A V L Q S S G G L
 AAC TCA GGC GCC CTG ACC AGC GGC V GTG CAC ACC TTC CCG GCT GTC CTA Q CAG TCC TCA G GGA
 567 576 585 594 603 612 621

Y S L S S V V T V P S S G T Q T Y I C
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC ACC Q CAG ACC Y TAC I
 630 639 648 657 666 675 684

N V N H K P S N T K V D K A E P K S C D
 AAC GTG AAT CAC AAG CCC AGC AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT C TGT
 693 702 711 720 729 738 747

K T H T C P P C P A P E L G G P S V F L
 AAA ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC L CTG GGG GGA P CCG TCA GTC
 756 765 774 783 792 801 810

F P P K P K D T L M I S R T P E V T C V V
 TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC TCA C TGC
 819 828 837 846 855 864 873

V D V S H E D P E V K F N W Y V D G G V V
 GTG GAC GTG AGC CAC GAA GAC CCT GAG GTC AAG TTC AAC TGG Y TAC GTG
 882 891 900 909 918 927 936

FIG. 3B

H	N	A	K	T	K	P	R	E	E	Q	Y	N	S	T	Y	R	V	V	S	V
CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	CAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC	AGC	GTC
945	954				963					972			981			990			999	
L	T	V	L	H	Q	D	W	L	N	G	K	E	Y	K	C	K	V	S	N	K
CTC	ACC	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC	AAC	AAA
1008	1017				1026				1035			1044			1053			1062		
A	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E	P	Q
GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	GAA	CCA	CAG
1071		1080			1089				1098			1107			1116			1125		
V	Y	T	L	P	P	S	R	D	E	L	T	K	N	Q	V	S	L	T	C	L
GTC	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC	TGC	CTG
1134		1143			1152				1161			1170			1179			1188		
V	K	G	F	Y	P	S	D	I	A	V	E	W	E	S	N	G	Q	P	E	N
GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	ATC	GCC	GTG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	GAG	AAC
1197		1206			1215				1224			1233			1242			1251		
N	Y	K	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S	K	L
AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTG	CTG	GAC	TCC	GAC	GGC	TCC	TTC	TTC	CTC	TAC	AGC	AAG	CTC
1260		1269			1278				1287			1296			1305			1314		
T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	C	S	V	M	H	E	A
ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT	GAG	GCT
1323		1332			1341				1350			1359			1368			1377		
L	H	N	H	Y	T	Q	K	S	L	S	L	S	P	G	K	.				
CTG	CAC	AAC	CAC	TAC	ACG	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA				
1386		1395			1404				1413			1422			1431					

FIG. 3C

Frame 1 M S L P A Q L L G L L L C V P G S S
ATG AGC CTC CCT GCT CAG CTC CTC GGG CTG CTA TTG CTC TGC GTC CCC GGG TCC AGT
9 18 27 36 45 54

G E V V M T Q S P L S L P I T P G E P A S
GGG GAA GTT GTG ATG ACT CAG TCT CCA CTG TCC CTT CCC ATC ACA CCT GGA GAG CCG GCC TCC
63 72 81 90 99 108 117

I S C R S Q S L K H S N G D T F L S W Y
ATC TCC TGT AGG TCT AGT CAA AGC CTT AAA CAC AGT AAT GGA GAC ACC TTC CTG AGT TGG TAT
126 135 144 153 162 171 180

Q Q K P G Q P R L L I Y K V S N R D S G
CAG CAG AAG CCA GGC CAA CCT CCA AGG CTC CTG ATT TAT AAG GTT TCT AAC CGG GAC TCT GGG
189 198 207 216 225 234 243

V P D R F S G S G G A G T F T L K I S A V
GTC CCA GAC AGA TTC AGC GGC AGT GGG GCA GGG ACA D GAT TTC ACA L CTG AAA ATC AGC GCA GTG
252 261 270 279 288 297 306

E A D V G V Y F C G Q G T R T P P T F G
GAG GCT GAA GAT GTT GGG GTT TAT TTC TGC GGG CAA GGT ACA AGG ACT CCT CCC T ACT TTC GGC
315 324 333 342 351 360 369

G G T K V E I K R T V A P S V F I F P P
GGA GGG ACC AAG GTG GAA ATC AAA CGT ACG GTG GCT GCA CCA TCT GTC TTC ATC TTC CCG CCA
378 387 396 405 414 423 432

S D E Q L K S G T A S V V C L L N N F Y P
TCT GAT GAG CAG TTG AAA TCT GGA ACT GCC TCT GTT GTG TGC CTG CTG AAT AAC TTC TAT CCC
441 450 459 468 477 486 495

R E A K V Q W K V D N A S G N S Q E S
AGA GAG GCC AAA GTA CAG TGG AAG GTG GAT AAC GCC L CTC CAA TCG GGT AAC TCC QAG GAG AGT
504 513 522 531 540 549 558

V T E Q D S K D S T Y S L S T L T L S K
GTC ACA GAG CAG GAC AGC AAG GAC AGC ACC TAC AGC CTC AGC ACC L CTG ACG CTG AGC AAA
567 576 585 594 603 612 621

A D Y E K H K V Y A C T E V T H Q G L S P
GCA GAC TAC GAG AAA CAC AAA GTC TAC GCC TGC E GAA GTC ACC H CAT CAG GGC CTG AGC TCG CCC
630 639 648 657 666 675 684

V T K S F N R G E C .
GTC ACA AAG AGC TTC AAC AGG GGA GAG TGT TGA
693 702 711 720

FIG. 4A

Frame 1 M G W S L I L F L V A V A T R V Q C
ATG GGT TGG AGC CTC ATC TTG CTC TTC CTT GTC GCT GTT GCT ACG CGT GTC CAG TGT
9 18 27 36 45 54

E V Q L V E S G G G L V Q P G G G S L R V Q C
GAG GTG CAA CTG GTG GAG TCT GGG GGA GGC TTG V GTC Q CAG CCT GGC GGG TCC CTG R AGA V GTC S
63 72 81 90 99 108 117

C A V S G F T F S D H Y M Y W F R Q A P G
TGT GCA GTC TCT GGA TTC ACC TTC AGT GAC CAC TAC ATG TAT TGG TTC CGC CAG GCT CCA GGG
126 135 144 153 162 171 180

K G P E W V G F I R N K P N G G T T A C E Y A
AAG GGG CCG GAA TGG GTA GGT TTC ATT AGA AAC AAA CCG AAC GGT GGG ACA ACA GAA TAC GCC
189 198 207 216 225 234 243

A S V K D R F T I S R D D S K S I A Y L Q
GCG TCT GTG AAA GAC AGA TTC ACC ATC TCC AGA GAT GAT TCC AAA AGC ATC GCC Y TAT CTG CAA
252 261 270 279 288 297 306

M S S L K I E D T A V Y Y C T T A C T S Y I S H
ATG AGC AGC CTG AAA ATC GAG GAC ACG GCC V GTC TAT TAC TGT ACT ACA S TCC Y TAC ATT TCA H CAT
315 324 333 342 351 360 369

C R G G G G G G V C Y G G G Y F E F W G Q G A L V T
TGT CGG GGT GGT GTC TGC TAT GGA GGT TAC TTC GAA TTC TGG GGC CAG GGC A GCC L CTG GTC ACC
378 387 396 405 414 423 432

V S S A S T K G P S V F P L A P S K S K S T
GTC TCC TCA GCT AGC ACC AAG GGC CCA TCG GTC TTC CCC CTG GCA CCC TCC TCC AAG AGC ACC
441 450 459 468 477 486 495

S G G T A A L G G C L G C L V K D Y F P E P V T V
TCT GGG GGC ACA GCG GCC CTG GGC TGC CTG GTC AAG GAC TAC TTC CCC GAA 549 CCG V GTG ACG GTG
504 513 522 531 540 558

S W N S G A L T S G V H T F P A V L Q S S
TCG TGG AAC TCA GGC GCC CTG ACC AGC GGC GTG CAC ACC TTC CCG GCT GTC CTA CAG TCC TCA
567 576 585 594 603 612 621

G L Y S L S S V V T P S S L G T Q T
GGA CTC TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC AGC AGC TTG GGC ACC CAG TAC ACC
630 639 648 657 666 675 684

I C N V N H K P S N T K V D K K A E P K S S
ATC TGC AAC GTG AAT CAC AAG CCC AGC AAC ACC AAG GTG GAC AAG AAA GCA GAG CCC AAA TCT
693 702 711 720 729 738 747

C D K T H T C P P C P A P E L L G G G P S V
TGT GAC AAA ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA L CTC L CTG G GGA P CCG S TCA V GTC
756 765 774 783 792 801 810

F L F P K P K D T L M I S R T P E V T C
TTC CTC TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG V GTC E GAG V GTC
819 828 837 846 855 864 873

V V V D V S H E D P E V K F N R T P E V T C
GTG GTG GTG GAC GTG AGC CAC GAA GAC CCT GAG GTC AAC TAC TTC CGG ACC CCT GAG V GTG E GAG V GTC
882 891 900 909 918 927 936

FIG. 4B

E	V	H	N	A	K	T	K	P	R	E	Q	Y	N	S	T	Y	R	V	V	
GAG	GTG	CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC	
945		954			963				972		981				990			999		
S	V	L	T	V	L	H	Q	D	W	L	N	G	K	E	Y	K	C	K	V	S
AGC	GTC	CTC	ACC	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC
1008		1017			1026				1035		1044				1053			1062		
N	K	A	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E
AAC	AAA	GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	GAA
1071		1080			1089				1098		1107				1116			1125		
P	Q	V	Y	T	L	P	P	S	R	D	E	L	T	K	N	Q	V	S	L	T
CCA	CAG	GTC	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC
1134		1143			1152				1161		1170				1179			1188		
C	L	V	K	G	F	Y	P	S	D	I	A	V	E	W	E	S	N	G	Q	P
TGC	CTG	GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	ATC	GCC	GAG	TGG	GAG	TGG	AGC	AAT	GGG	CAG	CCG
1197		1206			1215				1224		1224				1233			1242		1251
E	N	N	Y	K	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S
GAG	AAC	AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTG	CTG	GAC	TCC	GAC	GGC	TCC	TTC	TTC	CTC	TAC	AGC
1260		1269			1278				1287		1296				1305			1314		
K	L	T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	C	S	V	M	H
AAG	CTC	ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT
1323		1332			1341				1350		1359				1368			1377		
E	A	L	H	N	H	Y	T	Q	K	S	L	S	L	S	P	G	K	AAA	TGA	
GAG	GCT	CTG	CAC	AAC	CAC	TAC	ACG	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT				
1386		1395			1404				1413		1422				1431					

FIG. 4C

Frame 1 M R V P A Q L L L L L W L P G A R
 ATG AGG GTC CCC GCT CAG CTC CTG GGG LCTG LCTG LCTG LCTG TGG CCA GGT GCA CGA
 9 18 27 36 45 54

C E S V L T Q P S V S G A P G G Q K V T C I
 TGT GAG TCT GTC CTG ACA CAG CCG CCC TCA GTG TCT G GGG A GCC P CCA G GGG Q CAG K AAG V GTC T ACC I ATC
 63 72 81 90 99 108 117

S C T G S T S N I G G G Y D L H W Y Q Q L C T C P
 TCG TGC ACT GGG AGC ACC TCC AAC ATT GGA GGT TAT GAT L CTA H CAT W TGG Y TAC Q CAG Q CAG L CTC P CCA
 126 135 144 153 162 171 180

G T A P K L L I Y D I N K R P S S G I S T D G A C R
 GGA ACG GCC CCC AAA CTC CTC ATC TAT GAC ATT AAC AAG CGA CCC TCA G GGA ATT TCT D GAC R CGA
 189 198 207 216 225 234 243

F S G S K S G T A G C G A S L C T G A I T G L Q T E D
 TTC TCT GGC TCC AAG TCT GGT ACC A GCG A GCC S TCC L CTG A ATC I ATC T ACT G GGG L CTC Q CAG T ACT E GAG D GAT
 252 261 270 279 288 297 306

E A D Y Y C Q S Y T D S S L N A A T G C T Q V F G G G
 GAG GCT GAT TAT TAC TGC CAG TCC TAC GAC 333 342 351 360 369

T R L T V L G Q P K A A G C T G C T G T C T G A T C L F P C C S
 ACC CGG CTG ACC GTC CTA GGT CAG CCC AAC GCT A GCG P CCC S TCG V GTC ACT L CTG F TTC P CCG P CCC S TCC
 378 387 396 405 414 423 432

S E E L Q A N K A T L V C L I S D F Y T C C G G
 TCT GAG GAG CTT CAA GCC AAC AAG GCG TCA 450 459 468 477 486 495

A V T V A W K A D S S P C C V K A G G V E T A C T T
 GCC GTG ACA GTG GCC TGG AAG GCA GAT AGC AGC 513 522 531 540 549 558

P S K Q S N N K Y A A G C G A S S Y L S T P E Q
 CCC TCC AAA CAA AGC AAC AAC AAG TAC GCG 567 576 585 594 603 612 621

W K S H R S Y S C Q V T H E G S T V E K T
 TGG AAG TCC CAC AGA AGC TAC AGC TGC CAG GTC ACG H CAT GAA GGG AGC ACC GTG GAG AAG ACA
 630 639 648 657 666 675 684

V A P T E C S .
 GTG GCC CCT ACA GAA TGT TCA TGA
 693 702 711

FIG. 5A

Frame 1 M K H L W F F L L V A A R W V L S
 ATG AAA CAC CTG TGG TTC TTC CTC CTC CTG GTG GCA GCT CCC AGA TGG GTC CTG TCC
 9 18 27 36 45 54

Q V Q L E S G P G L V K P S E T L S L T
 CAG GTG CAG CTG CAG GAG TCG GGC P CCA GGA L CTG V GTG K AAG P CCT S TCG E GAG T ACC L CTG S TCC CTC T ACC
 63 72 81 90 99 108 117

C A V S G S I S G G G Y W G W I R Q P P
 TGC GCT GTC TCT GGT GGC TCC ATC AGC GGT GGT TAT GGC TGG GGC W TGG I ATC R CGC Q CAG P CCC CCA
 126 135 144 153 162 171 180

G K G L E W I G S F Y S S G N T Y Y N P
 GGG AAG GGG CTG GAG TGG ATT GGG AGT TTC TAT AGT AGT AGT GGG AAC T ACC Y TAC Y TAC AAC CCC
 189 198 207 216 225 234 243

S L K S Q V T I S T D T S K N Q F S L K A A G L C T G
 TCC CTC AAG AGT CAA GTC ACC ATT TCA ACA GAC ACG TCC AAG AAC Q CAG F TTC S TCC L CTG K AAG L CTG
 252 261 270 279 288 297 306

N S M T A A D T A V Y Y C V R D R L F S V
 AAC TCT ATG ACC GCC GCG GAC ACG GCC GTG TAT TAC TGT V GTG R AGA D GAT R CGT L CTT F TTT S TCA V GTT
 315 324 333 342 351 360 369

V G M V Y N N W F D V W G P G V L C T G V T A C C V G T C S
 GTT GGA ATG GTT TAC AAC AAC TGG TTC GAT V GTC TGG GGC P CCG GGA GTC L CTG V GTC T ACC V GTC S
 378 387 396 405 414 423 432

S A S T K G P S V F P L A P S S K A A G S T C T G G
 TCA GCT AGC ACC AAG GGC CCA TCG GTC TTC CCC CTG A GCA CCC TCC TCC K AAG S AGC T ACC S TCT G GGG
 441 450 459 468 477 486 495

G T A A L G C L V K D Y F P E P V T V S W
 GGC ACA GCG GCC CTG GGC TGC CTG GTC AAG GAC TAC TTC P CCC GAA CCG V GTG T ACG V GTG S TCG TGG
 504 513 522 531 540 549 558

N S G A L T S G V H T F P A V L Q S S G L C T C
 AAC TCA GGC GCC CTG ACC AGC GGC GTG CAC T ACC TTC P CCG A GCT V GTC L CTA Q CAG S TCC S TCA G GGA L CTC
 567 576 585 594 603 612 621

Y S L S S V V T V P S S S L G T Q T Y I C
 TAC TCC CTC AGC AGC GTG GTG ACC GTG CCC TCC S AGC AGC L TTG GGC ACC Q CAG ACC T AC C TAC Y I ATC TGC
 630 639 648 657 666 675 684

N V N H K P S N T K V D K A E P K S C D
 AAC GTG AAT CAC AAG CCC AGC AAC ACC AAG GTG GAC AAG K AAA A GCA E GAG P CCC K AAA TCT C TGT GAC
 693 702 711 720 729 738 747

K T H T C P P C P A P E L G G G P S V F L C T C
 AAA ACT CAC ACA TGC CCA CCG TGC CCA GCA CCT GAA CTC L CTG G GGG GGA P CCG S TCA V GTC F TTC L CTC
 756 765 774 783 792 801 810

F P P K P K D T L M I S R T P E V T C V V
 TTC CCC CCA AAA CCC AAG GAC ACC CTC ATG ATC TCC CGG ACC CCT GAG GTC ACC P CCT E GAG GTC ACA TGC C V GTG GTG
 819 828 837 846 855 864 873

V D V S H E D P E V K F N W Y V D G V E V
 GTG GAC GTG AGC CAC GAA GAC CCT GAG GTC AAG TTC AAC W TGG TAC GTG GAC GGC V GTG GAG GTG E V
 882 891 900 909 918 927 936

H	N	A	K	T	K	P	R	E	E	Q	Y	N	S	T	Y	R	V	V	S	V	
CAT	AAT	GCC	AAG	ACA	AAG	CCG	CGG	GAG	GAG	CAG	TAC	AAC	AGC	ACG	TAC	CGT	GTG	GTC	AGC	GTC	
945	954					963				972			981				990			999	
L	T	V	L	H	Q	D	W	L	N	G	K	E	Y	K	C	K	V	S	N	K	
CTC	ACC	GTC	CTG	CAC	CAG	GAC	TGG	CTG	AAT	GGC	AAG	GAG	TAC	AAG	TGC	AAG	GTC	TCC	AAC	AAA	
1008	1017					1026				1035			1044				1053			1062	
A	L	P	A	P	I	E	K	T	I	S	K	A	K	G	Q	P	R	E	P	Q	
GCC	CTC	CCA	GCC	CCC	ATC	GAG	AAA	ACC	ATC	TCC	AAA	GCC	AAA	GGG	CAG	CCC	CGA	GAA	CCA	CAG	
1071		1080			1089					1098			1107				1116			1125	
V	Y	T	L	P	S	R	D	E	L	T	K	N	Q	V	S	L	T	C	L	CTG	
G TG	TAC	ACC	CTG	CCC	CCA	TCC	CGG	GAT	GAG	CTG	ACC	AAG	AAC	CAG	GTC	AGC	CTG	ACC	TGC	CTG	
1134		1143				1152				1161			1170				1179			1188	
V	K	G	F	Y	P	S	D	I	A	V	E	W	E	S	N	G	Q	P	E	N	
GTC	AAA	GGC	TTC	TAT	CCC	AGC	GAC	ATC	GCC	G TG	GAG	TGG	GAG	AGC	AAT	GGG	CAG	CCG	GAG	AAC	
1197		1206			1215					1224			1233				1242			1251	
N	Y	K	T	T	P	P	V	L	D	S	D	G	S	F	F	L	Y	S	K	L	
AAC	TAC	AAG	ACC	ACG	CCT	CCC	GTG	CTG	GAC	TCC	GAC	GGC	TCC	TTC	TTC	CTC	TAC	AGC	AAG	CTC	
1260		1269			1278				1287			1296				1305			1314		
T	V	D	K	S	R	W	Q	Q	G	N	V	F	S	C	S	V	M	H	E	A	
ACC	GTG	GAC	AAG	AGC	AGG	TGG	CAG	CAG	GGG	AAC	GTC	TTC	TCA	TGC	TCC	GTG	ATG	CAT	GAG	GCT	
1323		1332			1341					1350			1359				1368			1377	
L	H	N	H	Y	T	Q	K	S	L	S	L	S	P	G	K						
CTG	CAC	AAC	CAC	TAC	ACG	CAG	AAG	AGC	CTC	TCC	CTG	TCT	CCG	GGT	AAA	TGA					
1386		1395			1404					1413			1422				1431				

FIG. 5C

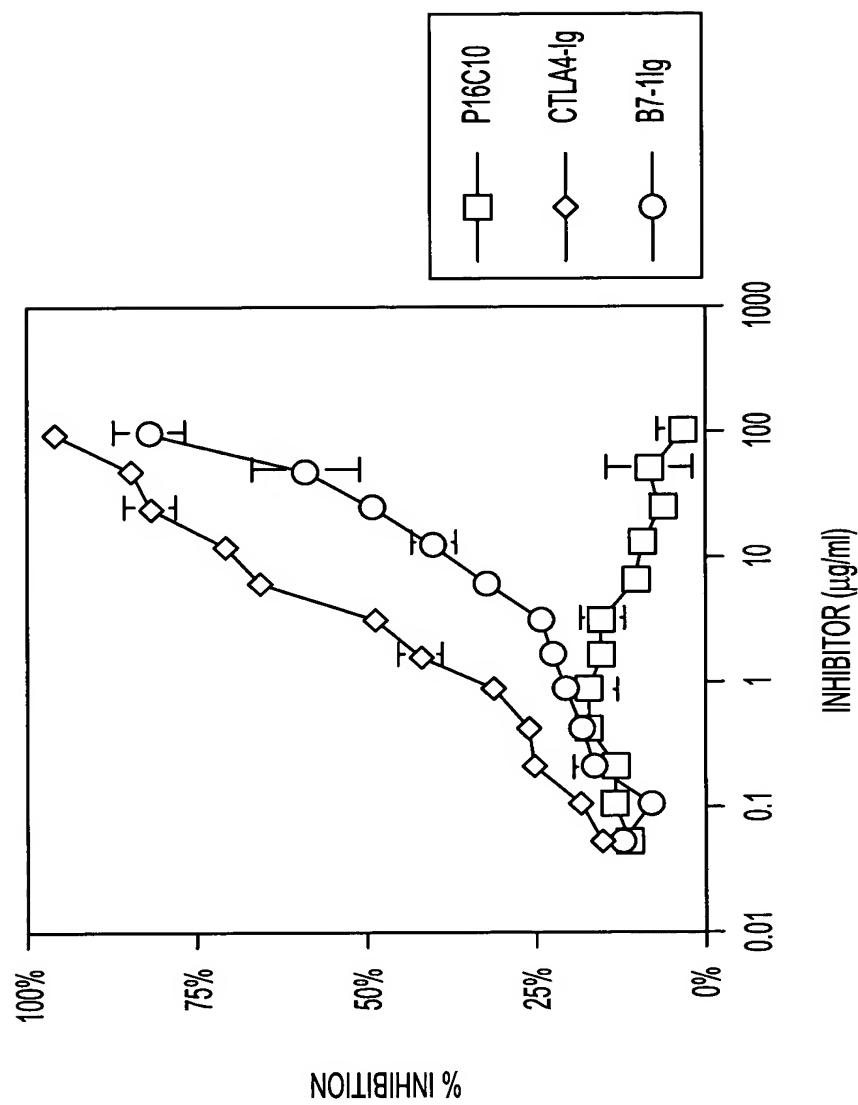


FIG. 6

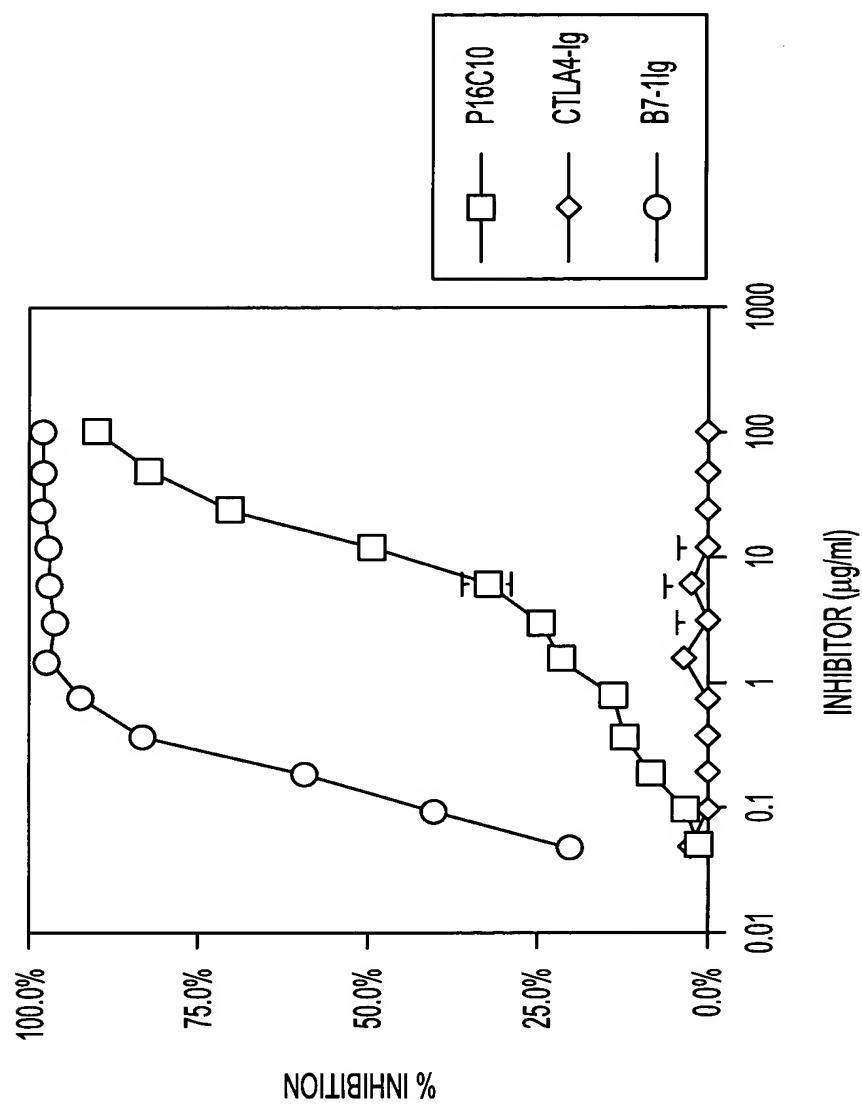


FIG. 7

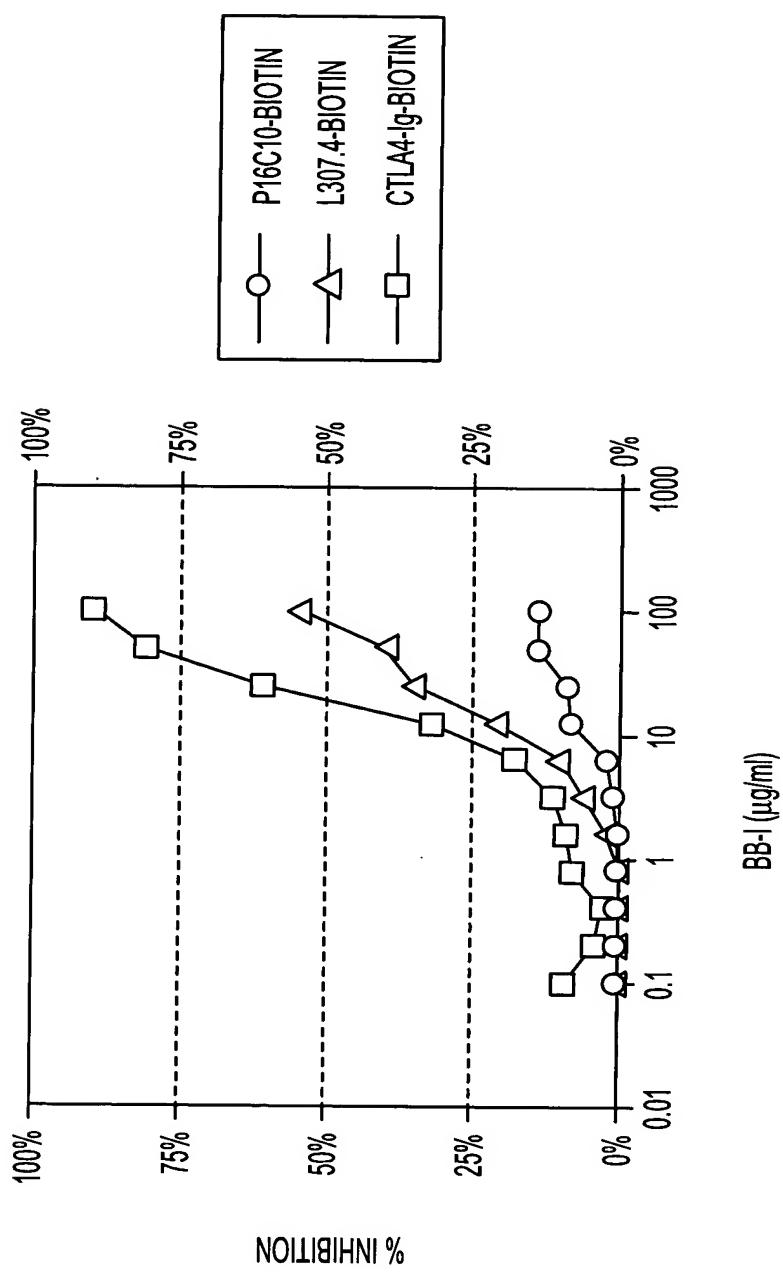


FIG. 8

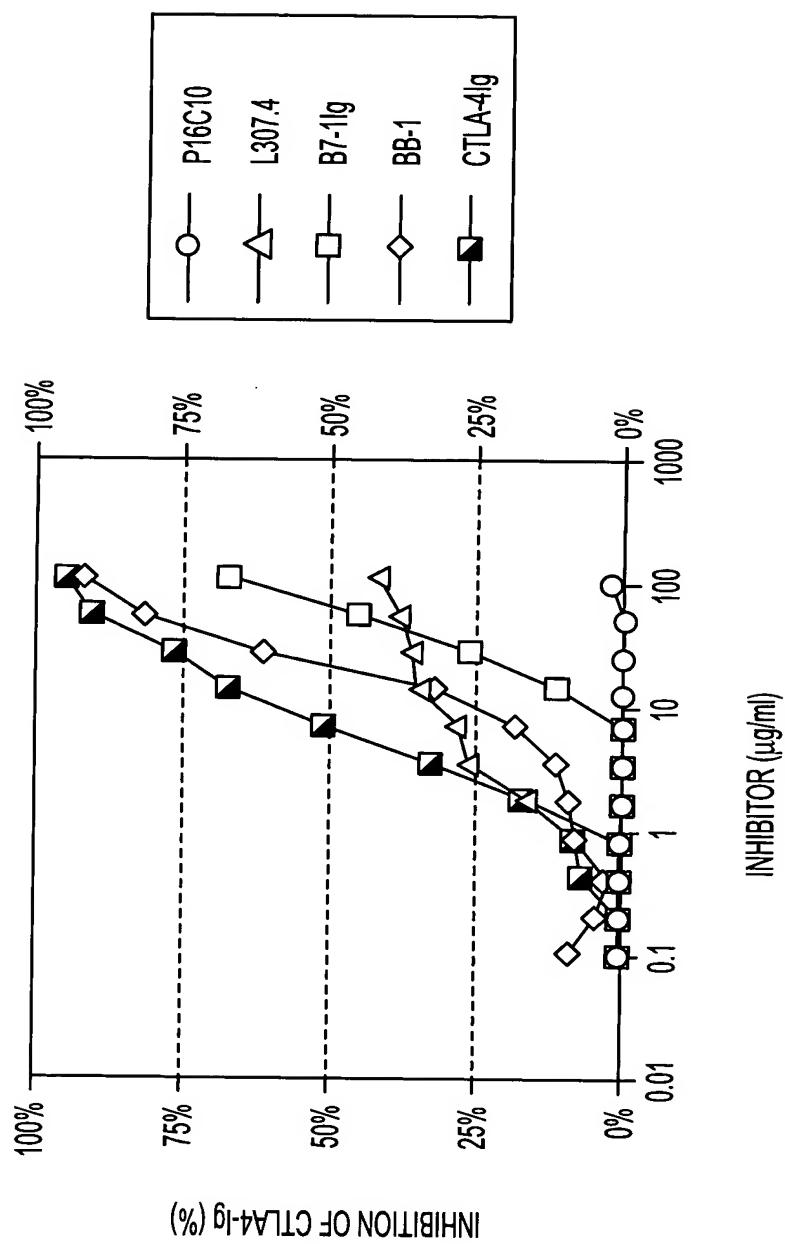


FIG. 9

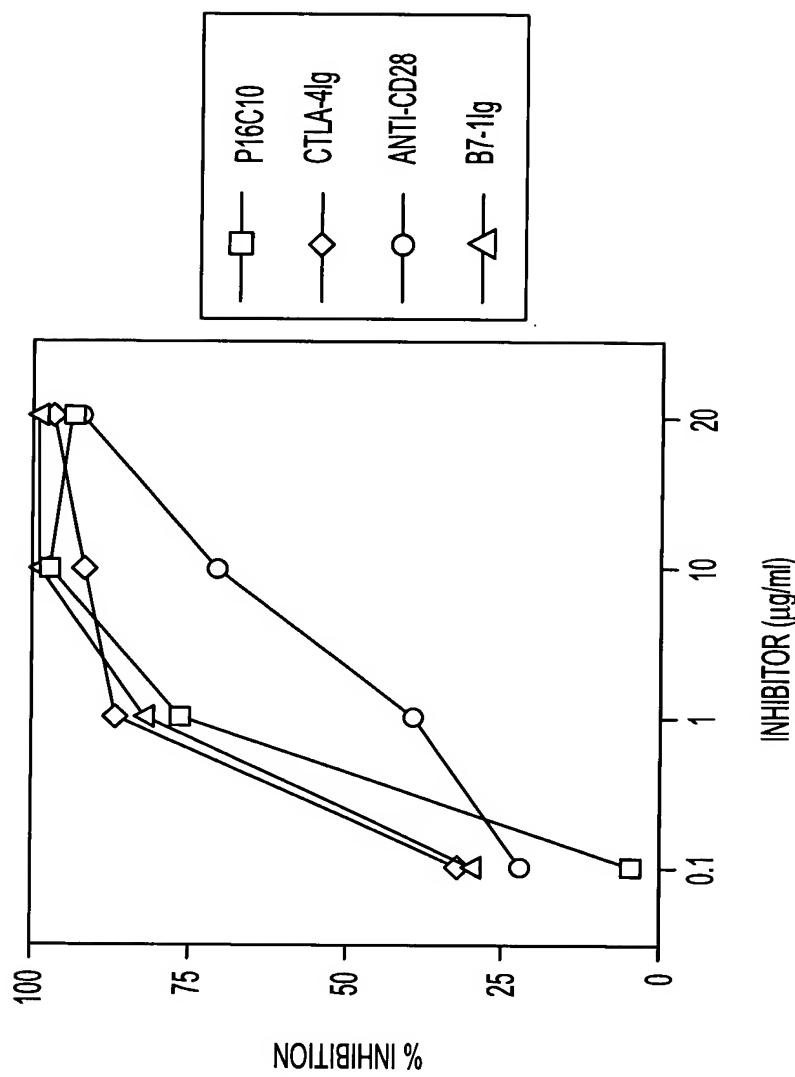


FIG. 10